

EXPRESS MAIL LABEL NO. EL533648953US

RCA 8502 09/446003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

420 Rec'd PCT TO 14 DEC 1999

Applicant : Estill Thone Hall Jr. and Wendy Rene Pfile
Filed : Herewith
For : HOLOGRAPHIC SCREEN PROJECTION TELEVISIONS
WITH OPTICAL CORRECTION

#4/1A
12/08

PRELIMINARY AMENDMENT

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

In the US national phase application of PCT/US98/01617 filed
herewith, please enter the following amendments.

IN THE CLAIMS:

Please amend the claims as follows:

- Sub B2
1. (AMENDED) A projection television comprising:
an optical system comprising at least three image projectors [(14, 16, 18)]
for projecting respective images of different colors onto a projection screen [(22)],
and a holographic reflector [(20)] disposed in optical communication with said
image projectors and said screen so that one [(16)] of said projectors has a first
optical path in a substantially orthogonal orientation with said screen and at least
two [(14, 18)] of said projectors have respective optical paths converging toward
said first optical path in a non orthogonal orientation defining angles of incidence;
and,
said projection screen [(22)] comprising a three dimensional hologram [(26)]
representing a three dimensional diffraction array on a substrate [(24)], said screen
receiving images from said projectors [(14, 16, 18)] on a first side and displaying
said images on a second side with controlled light dispersion of all said displayed
images.
2. (AMENDED) The projection television of claim 1 wherein said at least
three projectors [(14, 16, 18)] each include a lens [(15, 17, 19)] adapted to focus
said respective images.
3. (AMENDED) The projection television of claim 2 wherein said lenses
[(15, 17, 19)] comprise a polymer material.